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(71) Applicant (for all designated States except US): **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **AU-YOUNG, Jan-ice** [US/US]; 1419 Kains Avenue, Berkeley, CA 94702

(US). **COCKS, Benjamin, Graeme** [AU/US]; 4292 D Wilkie Way, Palo Alto, CA 94306 (US). **GOLI, Surya, K.** [IN/US]; 3311 Cantamar Court, San Jose, CA 95135 (US). **HILLMAN, Jennifer, L.** [US/US]; 230 Monroe Drive, #12, Mountain View, CA 94040 (US).

(74) Agent: **BILLINGS, Lucy, J.**; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).

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(54) Title: HUMAN C-TYPE LECTIN

(57) Abstract: The present invention provides a polynucleotide (mctl) which identifies and encodes a novel human C-type lectin (MCTL). The invention provides for genetically engineered expression vectors and host cells comprising the nucleic acid sequence encoding MCTL. The invention also provides for the use of substantially purified MCTL and its agonists in the commercial production of recombinant proteins and in pharmaceutical compositions for the treatment of diseases associated with the expression of MCTL. Additionally, the invention provides for the use of antisense molecules to mctl in pharmaceutical compositions for treatment of diseases associated with the expression of MCTL. The invention also describes diagnostic assays which utilize diagnostic compositions comprising the polynucleotide, fragments or the complement thereof, which hybridize with the genomic sequence or the transcript of mctl. The present invention also relates to anti-MCTL antibodies which specifically bind to MCTL.

WO 98/002456 A3

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/12342

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/54 C12N9/12 C12N15/70 C12N1/21 //(C12N1/21,
C12R1:19)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, SEQUENCE SEARCH, CHEM ABS Data, MEDLINE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | N. SUZUKI ET AL.: "Molecular Cloning and Expression of cDNA Encoding Human Macrophage C-Type Lectin" JOURNAL OF IMMUNOLOGY, vol. 156, no. 1, 1 January 1996 (1996-01-01), pages 128-135, XP002046614 cited in the application page 134, left-hand column, paragraph 2 -right-hand column, paragraph 2; figures 2,3 --- -/-- | 1,3,10, 11 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | C. CHANG ET AL.: "Molecular characterization of human CD94: a type II membrane glycoprotein related to the C-type lectin superfamily" EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 25, September 1995 (1995-09), pages 2433-2437, XP002046615 cited in the application page 2436, left-hand column, paragraph 2 -right-hand column, paragraph 2; figure 1 --- | 1,3,10, 11 |
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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